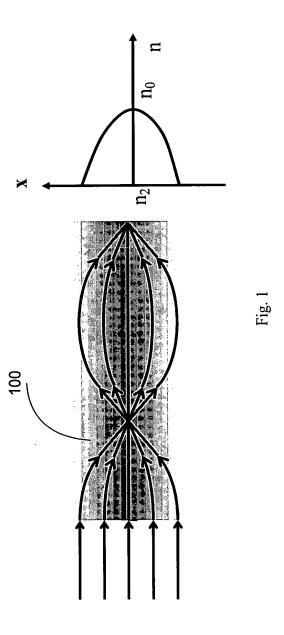
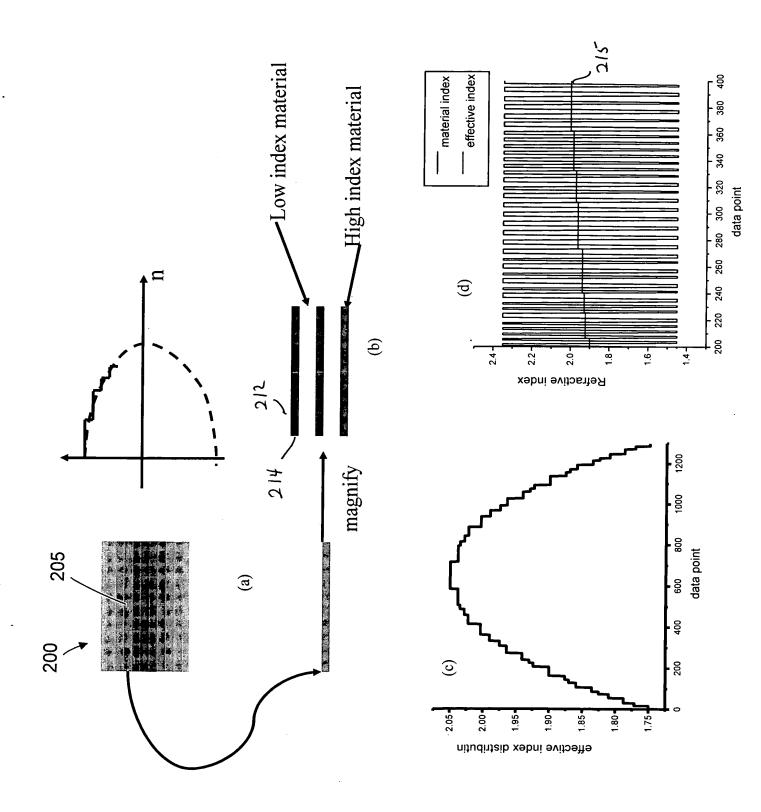
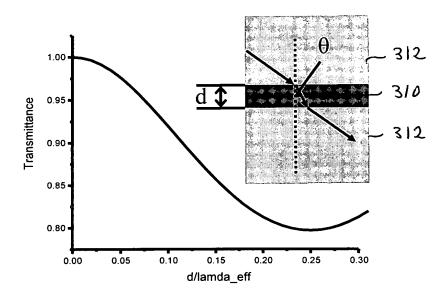


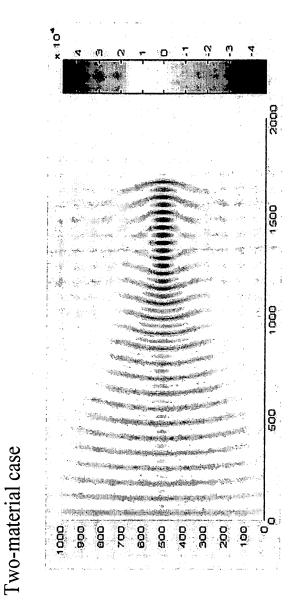
Patent Application for: Varying Refractive Index Optical Medium Using at Least Two Materials with Thicknesses Less than a Wavelength Inventor(s): Yan Zhou and Seng-Tiong Ho
Attorney Docket No. 10095/18 and Serial No. 10/652,269



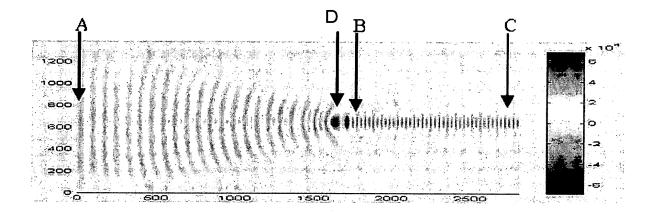




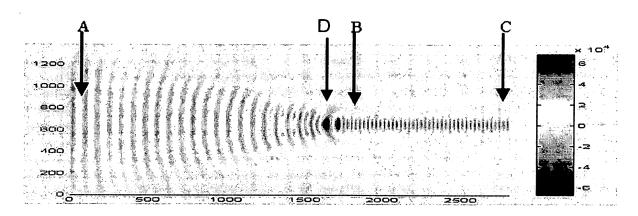
Relationship of transmittance vs d/λ_{eff}



Multiple-step-index case



(a) Two Material Case, with AR coatings, 1 µm air gap, focusing in air



(b) Multiple step index case, 1 µm air gap, AR coatings, focusing in air

FIG. 5

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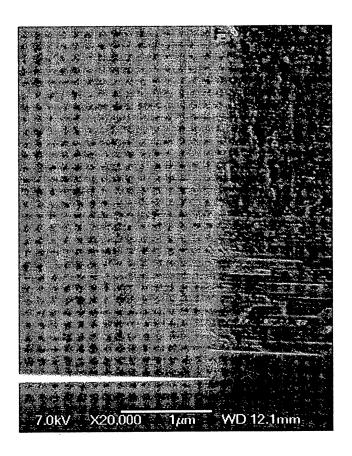


FIG. 6

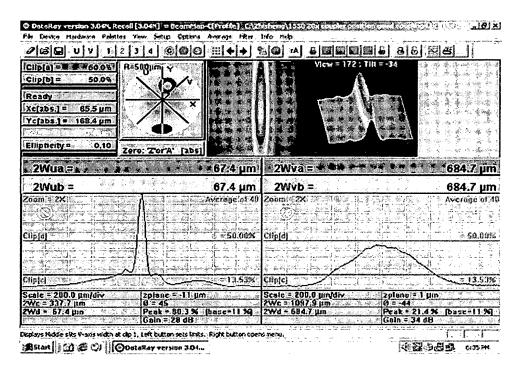


FIG. 7 (a)

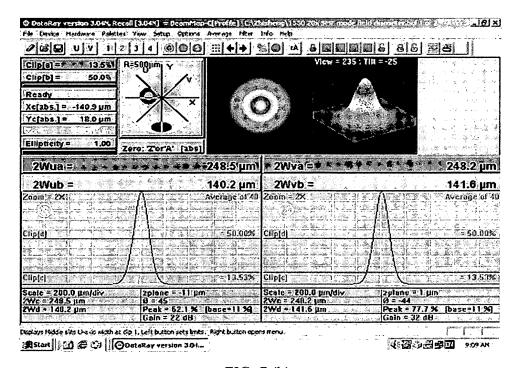


FIG. 7 (b)

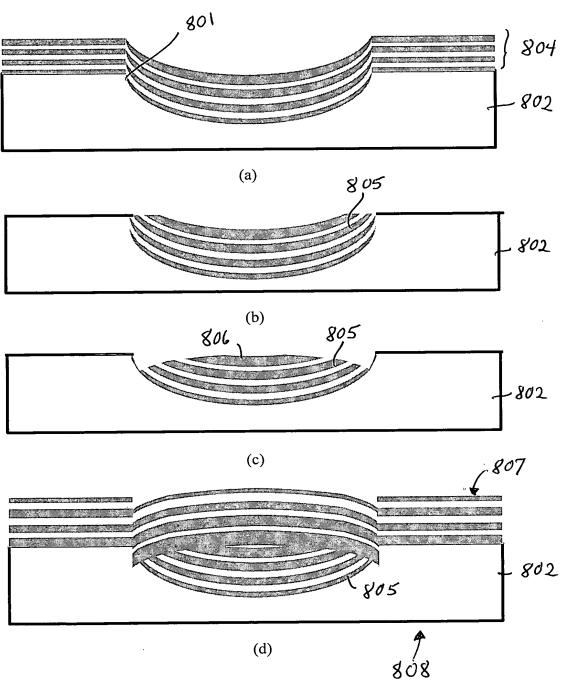


FIG. 8